



**CITY OF LODI  
COUNCIL COMMUNICATION**

**AGENDA TITLE:** Adopt Resolution Approving the Purchase of Padmount Transformers from HEES Enterprises, Inc., of Astoria, OR and Howard Industries Inc., of Laurel, MS (\$44,513.69)

**MEETING DATE:** September 7, 2011

**PREPARED BY:** Electric Utility Director

**RECOMMENDED ACTION:** Adopt a resolution approving the purchase of padmount transformers from HEES Enterprises, Inc., of Astoria, OR and Howard Industries Inc., of Laurel, MS (\$44,513.69).

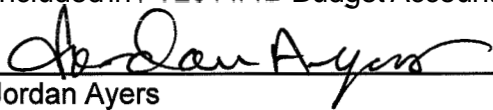
**BACKGROUND INFORMATION:** On April 6, 2011, the City Council authorized the advertisement of bids to procure padmount transformers to maintain inventory for the replacement of damaged/old transformers in the distribution system.

On August 10, 2011, bids were opened with six suppliers submitting proposals. Life-cycle costs (total purchase price plus cost of operation based on estimated power loss during the projected life of the transformer) were evaluated for the responsive bids as shown on the attached summary. HEES Enterprises, Inc., of Astoria, OR, and Howard Industries Inc., of Laurel, MS submitted responsive bids with the lowest life-cycle costs as shown below.

10 each 50kVA, 1-Phase 240/120V	HEES Enterprises, Inc.	\$18,608.43
5 each 100kVA, 1-Phase, 240/120V	Howard Industries, Inc.	\$15,041.90
2 each 112.5kVA, 3-Phase, 480/277V	Howard Industries, Inc.	\$10,863.36

**FISCAL IMPACT:** Purchase cost is \$44,513.69. Life-cycle cost is \$65,277.43

**FUNDING:** Included in FY2011/12 Budget Account No. 160.1496

  
 Jordan Ayers  
 Deputy City Manager/Internal Service Director

  
 Elizabeth A. Kirkley  
 Electric Utility Director

**PREPARED BY:** Weldat Haile, Senior Power Engineer

EAK/WH/lst

**APPROVED:**   
 Konradt Bartlam, City Manager

RESOLUTION NO. 2011-138

A RESOLUTION OF THE LODI CITY COUNCIL  
AWARDING THE BID FOR THE PURCHASE OF  
PADMOUNT TRANSFORMERS

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WHEREAS, in answer to notice duly published in accordance with law and the order of this City Council, sealed bids were received and publicly opened on August 10, 2011, at 11:00 a.m. for the purchase of polemount transformers for the Electric Utility Department, described in the specifications therefore approved by the City Council on April 6, 2011; and

WHEREAS, said bids have been compared as to life-cycle costs, checked, and tabulated and a report thereof filed with the City Manager as shown on Exhibit A attached; and

WHEREAS, the bids meeting the City's specifications with the lowest estimated life-cycle costs are shown below:

10 each 50kVA, 1-Phase 240/120V	HEES Enterprises, Inc.	\$18,608.43
5 each 100kVA, 1-Phase, 240/120V	Howard Industries, Inc.	\$15,041.90
2 each 112.5kVA, 3-Phase, 480/277V	Howard Industries, Inc.	\$10,863.36

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby authorize the bid for the purchase of padmount transformers as shown above, in the amount of \$44,513.69.

Dated: September 7, 2011

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I hereby certify that Resolution No. 2011-138 was passed and adopted by the City Council of the City of Lodi in a regular meeting held September 7, 2011, by the following vote:

AYES: COUNCIL MEMBERS - Hansen, Katzakian, Mounce, Nakanishi,  
and Mayor Johnson

NOES: COUNCIL MEMBERS - None

ABSENT: COUNCIL MEMBERS - None

ABSTAIN: COUNCIL MEMBERS - None

  
RANDI ICHI  
City Clerk

**EXHIBIT A - PAD MOUNTED TRANSFORMER BID EVALUATION August 10, 2011**

EXHIBIT A - PAD MOUNTED TRANSFORMER BID EVALUATION August 10, 2011												
Transformer Bid Evaluation				Bid Opening: August 12, 2011								
Padmount				Tax (factor): 1.0775		Primary Windings:		Three-Phase, 12000 Volt, 60Hz, Delta Connected				
For 09/7/2011 Council Meeting				No Load Loss \$/watt: 3.75				Single-Phase, 12000 Grd. Wye/6930 Volt, 60Hz				
				Load Loss \$/watt: 1.25								
Bid Item 1: 50 kVA, 240/120 Volt, Single Phase Pad						Number of units: 10				28		>1.5
Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
Hees Enterprises Inc. (Ermco Transformers)	1,727.00	17,270.00	18,608.43	106	485	3,975.00	6,062.50	10,037.50	28,645.93	8-10	28	1.600
Howard Industries Inc. (Silicon Core)	1,835.00	18,350.00	19,772.13	111	504	4,162.50	6,300.00	10,462.50	30,234.63	6-8	32	2.600
Howard Industries Inc. (Amorphous Core)	1,926.00	19,260.00	20,752.65	43	555	1,612.50	6,937.50	8,550.00	29,302.65	6-8	32	2.000
CG Power System USA Inc.	No Offer	0.00	0.00			0.00	0.00	0.00	0.00			
Pacific Utilities (ABB, Inc.)	1,935.00	19,350.00	20,849.63	102	454	3,825.00	5,675.00	9,500.00	30,349.63	9-11	24	1.760
HD Supply Utility	1,892.00	18,920.00	20,386.30	93	571	3,487.50	7,137.50	10,625.00	31,011.30	12	24	2.410
Bid Item 2: 100kVA, 240/120 Volt, Single Phase Pad,						Number of units: 5				28		>1.8
Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
Hees Enterprises Inc. (Ermco Transformers)	2,440.00	12,200.00	13,145.50	185	863	3,468.75	5,393.75	8,862.50	22,008.00	8-10	28	1.900
Howard Industries Inc. (Silicon Core)	2,647.00	13,235.00	14,260.71	194	821	3,637.50	5,131.25	8,768.75	23,029.46	6-8	32	2.500
Howard Industries Inc. (Amprphous Core)	2,792.00	13,960.00	15,041.90	74	879	1,387.50	5,493.75	6,881.25	21,923.15	6-8	32	2.000
CG Power System USA Inc.	No Offer	0.00	0.00	0	0	0.00	0.00	0.00	0.00			
Pacific Utilities (ABB, Inc.)	2,530.00	12,650.00	13,630.38	147	924	2,756.25	5,775.00	8,531.25	22,161.63	9-11	24	1.680
HD Supply Utility	2,575.00	12,875.00	13,872.81	137	998	2,568.75	6,237.50	8,806.25	22,679.06	12	30	2.300
Bid Item 3: 112.5 kVA, 480/277 Volt, Three Phase Pad,						Number of units: 2				65		>1.8
Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
Hees Enterprises, Inc. (Ermco Transformers)	5,365.00	10,730.00	11,561.58	262	1046	1,965.00	2,615.00	4,580.00	16,141.58	8-10	49	4.000
Howard Industries Inc. (Silicon Core)	4,936.00	9,872.00	10,637.08	267	1194	2,002.50	2,985.00	4,987.50	15,624.58	6-8	45	2.300
Howard Industries Inc. (Amprphous Core)	5,041.00	10,082.00	10,863.36	101	1215	757.50	3,037.50	3,795.00	14,658.36	6-8	49	2.5
CG Power System USA Inc.	4,547.00	9,094.00	9,798.79	302	1198	2,265.00	2,995.00	5,260.00	15,058.79	7-9	48	2.300
Pacific Utilities (ABB, Inc.)	6,045.00	12,090.00	13,026.98	264	846	1,980.00	2,115.00	4,095.00	17,121.98	9-11	47.94	2.660
HD Supply Utility	6,540.00	13,080.00	14,093.70	278	1171	2,085.00	2,927.50	5,012.50	19,106.20	12		2.760
			Total Price						Total LCC			
Hees Enterprises Inc. (Ermco Transformers)			43,315.50						66,795.50			
Howard Industries Inc. Silicon			44,669.92						68,888.67			
Howard Industries Inc. Amorphous			46,657.91						65,884.16			
CG Power System USA Inc.			9,798.79	Less Bid Items 1 & 2					14,658.36	Less Bid Items 1 & 2		
Pacific Utilities			47,506.98						69,633.23			
HD Supply Utility			48,352.81						72,796.56			
Total Lowest Cost			44,513.68	Total Lowest Lifecycle Cost					65,227.43			
Prepared by: Weidat Haile P.E. Senior Power Enginner												
BSU Account No.			160.1496									
09-07-11 WH Padmount - Attach.xls												
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